

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091223\  
 Data File : VU055253.D  
 Acq On : 12 Sep 2023 17:16  
 Operator : MD/SY  
 Sample : 04350-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4J5

Quant Time: Sep 13 01:48:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 13 01:44:08 2023  
 Response via : Initial Calibration

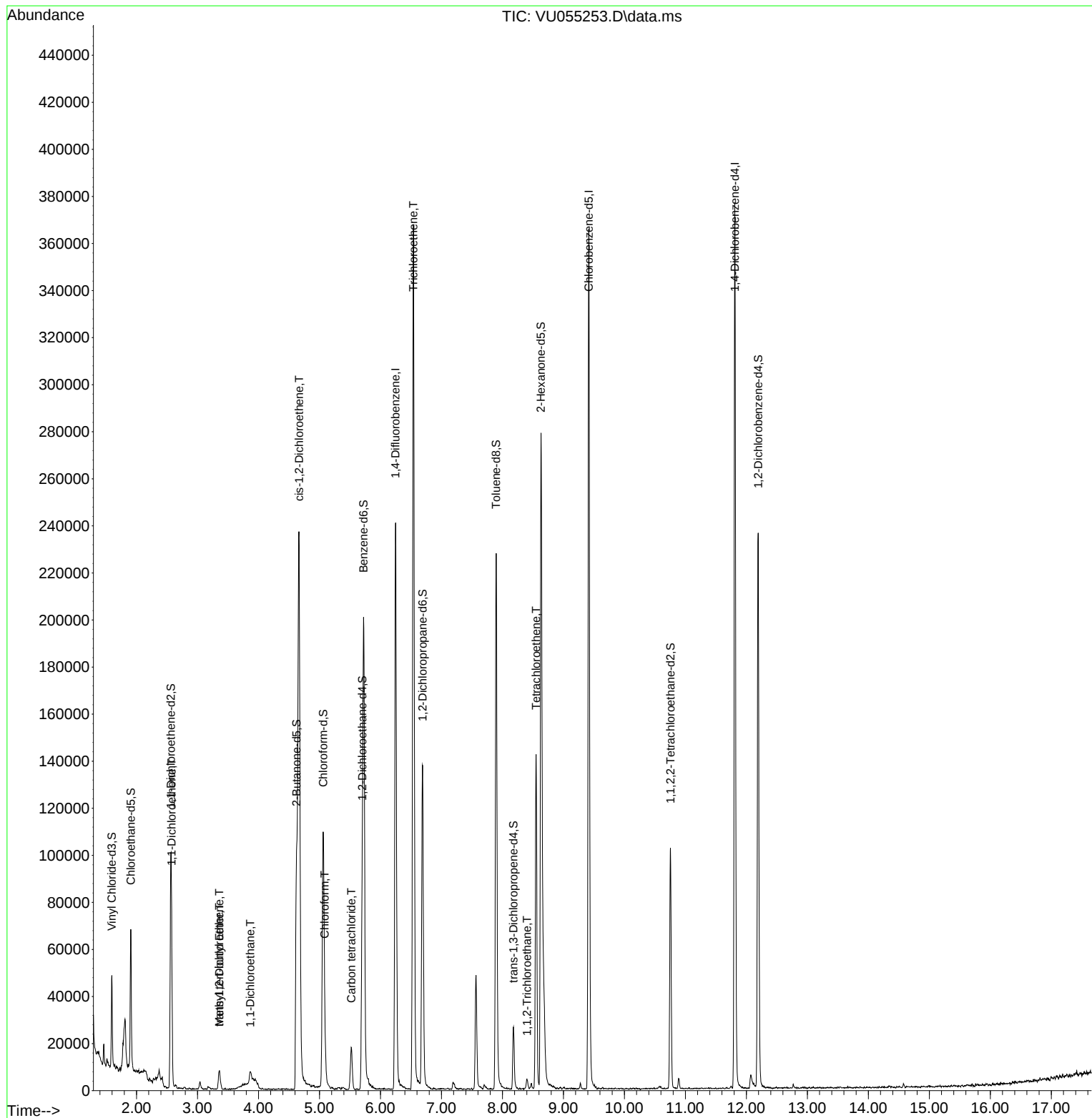
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 190199   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 204184   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 99613    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 28615    | 3.210  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 64.200%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 43063    | 4.173  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 83.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 15078    | 2.969  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 59.400%# |          |
| 20) 2-Butanone-d5             | 4.624  | 46             | 137630   | 53.204 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 106.400% |          |
| 24) Chloroform-d              | 5.061  | 84             | 97493    | 4.122  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 82.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65             | 54100    | 4.571  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 91.400%  |          |
| 32) Benzene-d6                | 5.724  | 84             | 187263   | 3.715  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 74.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.692  | 67             | 65025    | 4.056  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 81.200%  |          |
| 41) Toluene-d8                | 7.897  | 98             | 157852   | 3.400  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 68.000%# |          |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79             | 15270    | 3.459  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 69.200%  |          |
| 46) 2-Hexanone-d5             | 8.630  | 63             | 89518    | 49.948 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 99.900%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84             | 51972    | 4.610  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 92.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 61674    | 4.242  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 84.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 12466    | 1.418  | ug/L #   | 60       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73             | 4465     | 0.194  | ug/L #   | 90       |
| 18) trans-1,2-Dichloroethene  | 3.357  | 96             | 1905     | 0.214  | ug/L     | 93       |
| 19) 1,1-Dichloroethane        | 3.865  | 63             | 5766     | 0.299  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 117708   | 10.778 | ug/L     | 93       |
| 25) Chloroform                | 5.084  | 83             | 12726    | 0.634  | ug/L     | 93       |
| 31) Carbon tetrachloride      | 5.521  | 117            | 11624    | 0.791  | ug/L     | 93       |
| 34) Trichloroethene           | 6.540  | 95             | 124901   | 10.342 | ug/L     | 96       |
| 45) 1,1,2-Trichloroethane     | 8.405  | 97             | 1446     | 0.181  | ug/L     | 95       |
| 47) Tetrachloroethene         | 8.553  | 164            | 29299    | 3.510  | ug/L     | 98       |
| -----                         |        |                |          |        |          |          |

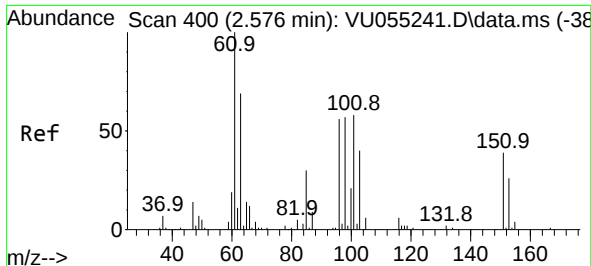
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 13 01:44:08 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.418 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Instrument :

MSVOA\_U

ClientSampleId :

BH4J5

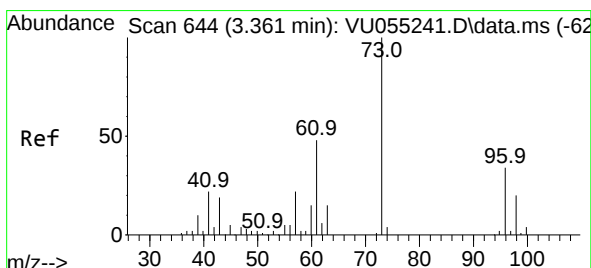
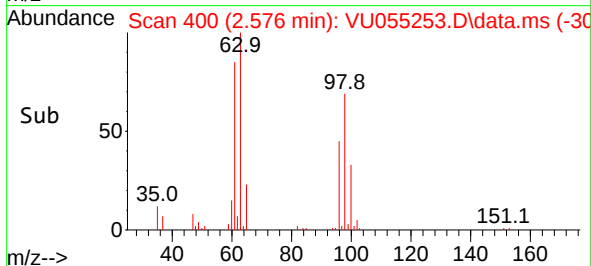
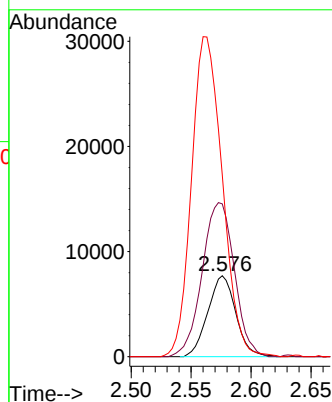
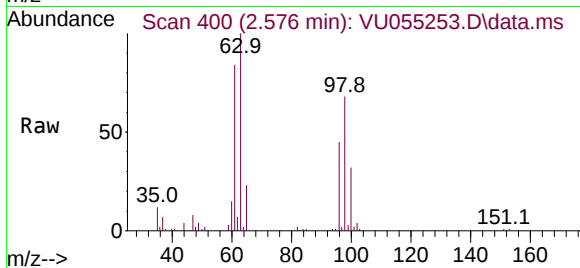
Tgt Ion: 96 Resp: 12466

Ion Ratio Lower Upper

96 100

61 188.9 120.8 224.4

63 224.7 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.194 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.003 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

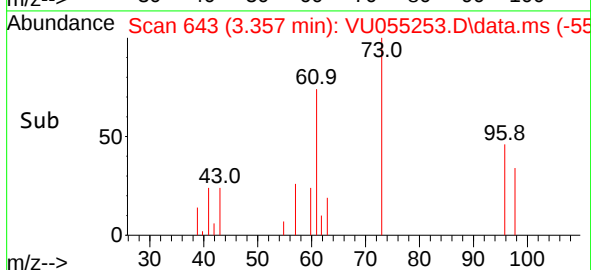
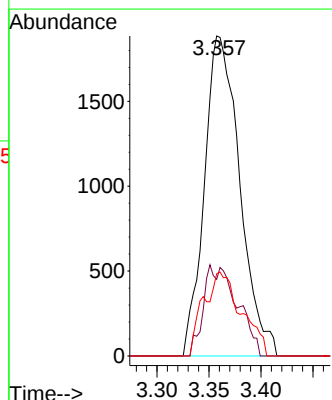
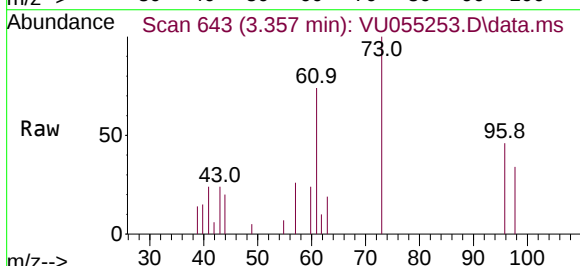
Tgt Ion: 73 Resp: 4465

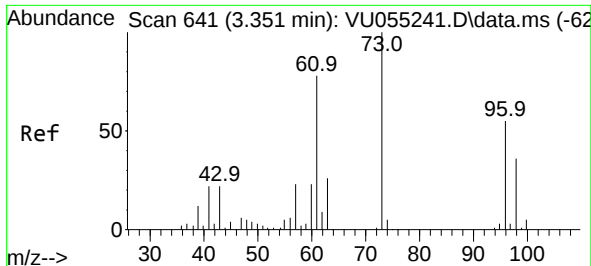
Ion Ratio Lower Upper

73 100

43 11.1 16.2 24.2#

57 20.9 17.4 26.2

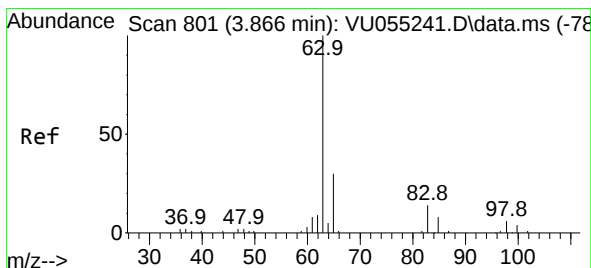
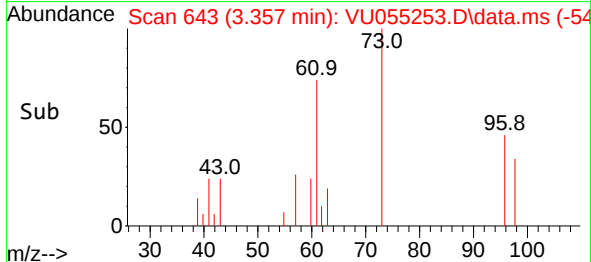
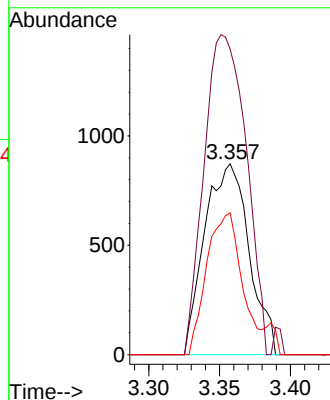
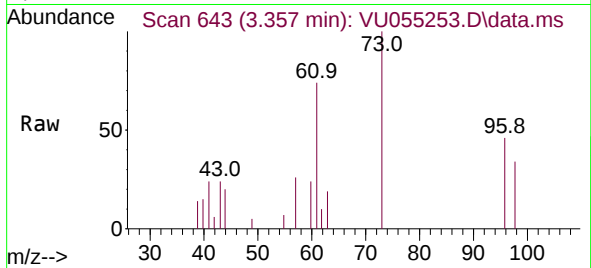




#18  
trans-1,2-Dichloroethene  
Concen: 0.214 ug/L  
RT: 3.357 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

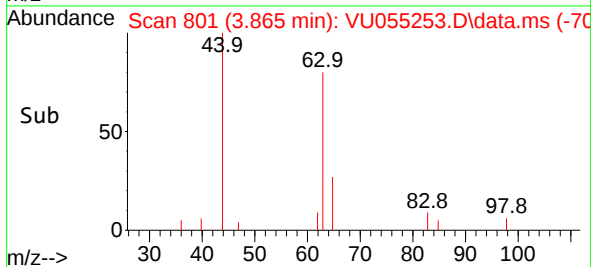
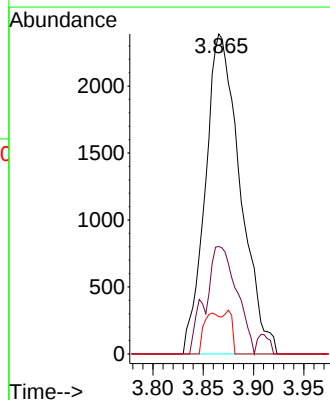
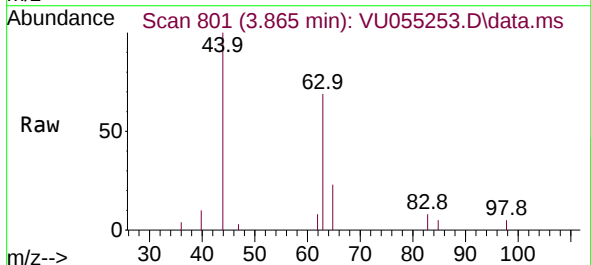
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4J5

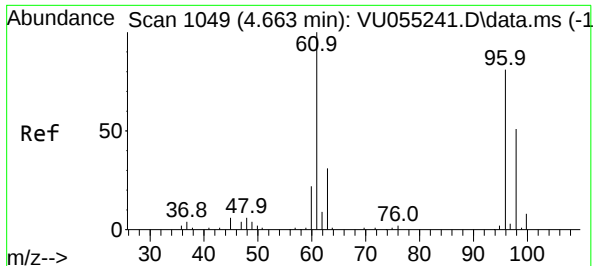
Tgt Ion: 96 Resp: 1905  
Ion Ratio Lower Upper  
96 100  
61 160.0 108.1 200.9  
98 74.2 45.4 84.4



#19  
1,1-Dichloroethane  
Concen: 0.299 ug/L  
RT: 3.865 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

Tgt Ion: 63 Resp: 5766  
Ion Ratio Lower Upper  
63 100  
65 33.6 22.2 41.2  
83 11.6 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 10.778 ug/L

RT: 4.666 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055253.D

Acq: 12 Sep 2023 17:16

Instrument :

MSVOA\_U

ClientSampleId :

BH4J5

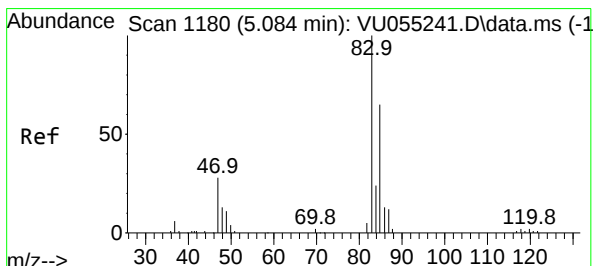
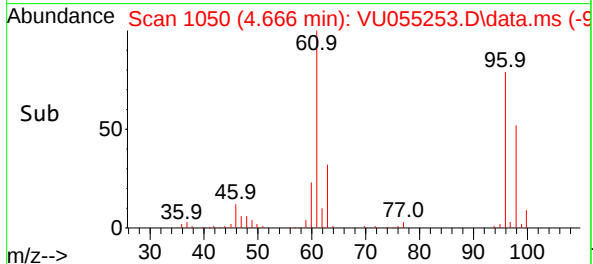
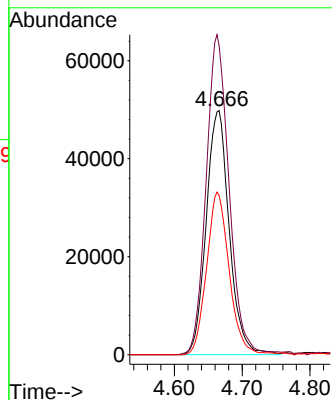
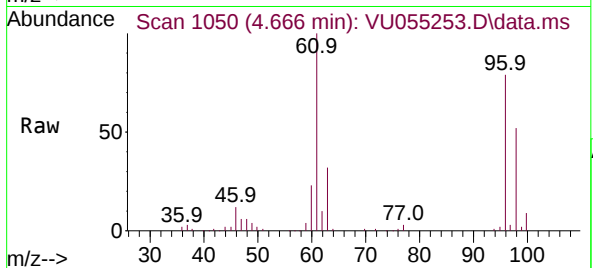
Tgt Ion: 96 Resp: 117708

Ion Ratio Lower Upper

96 100

61 126.7 97.2 180.4

98 65.3 46.1 85.7



#25

Chloroform

Concen: 0.634 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055253.D

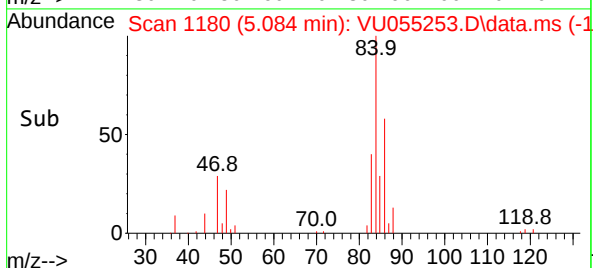
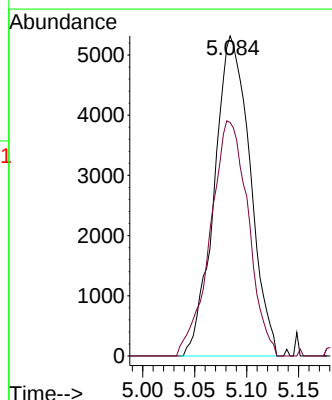
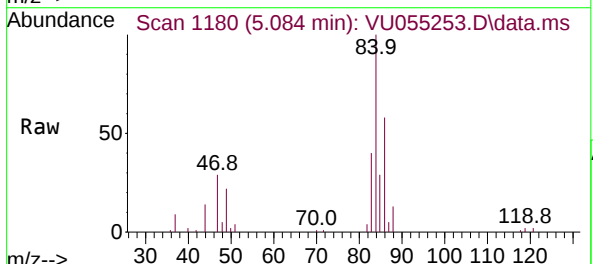
Acq: 12 Sep 2023 17:16

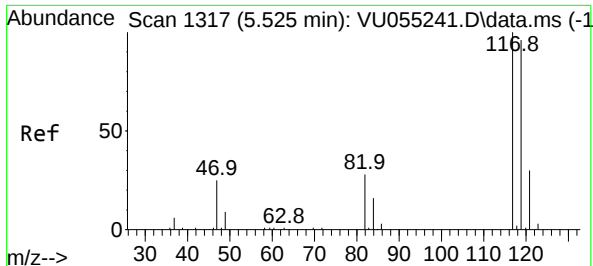
Tgt Ion: 83 Resp: 12726

Ion Ratio Lower Upper

83 100

85 73.0 47.2 87.6

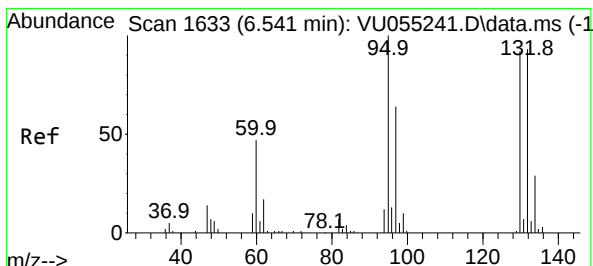
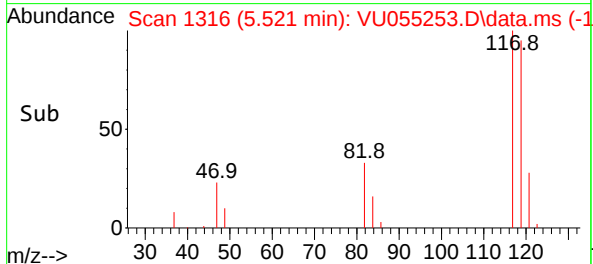
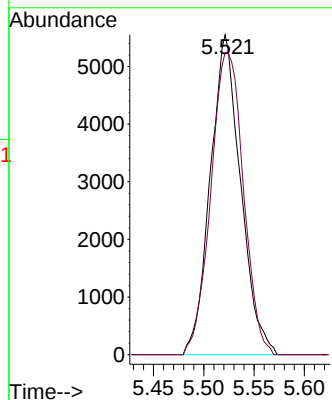
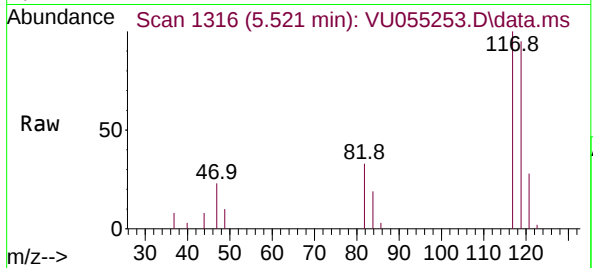




#31  
Carbon tetrachloride  
Concen: 0.791 ug/L  
RT: 5.521 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

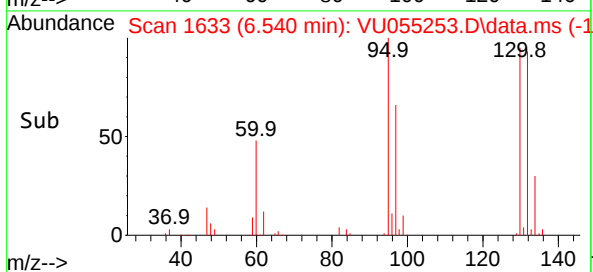
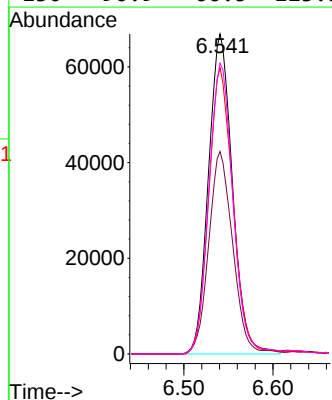
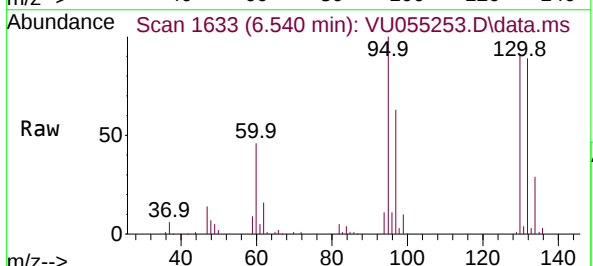
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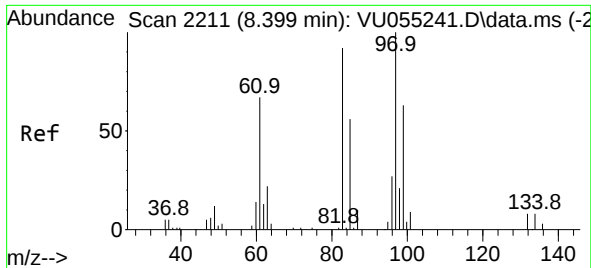
Tgt Ion:117 Resp: 11624  
Ion Ratio Lower Upper  
117 100  
119 101.2 75.4 113.0



#34  
Trichloroethene  
Concen: 10.342 ug/L  
RT: 6.540 min Scan# 1633  
Delta R.T. -0.000 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

Tgt Ion: 95 Resp: 124901  
Ion Ratio Lower Upper  
95 100  
97 63.2 44.7 83.1  
132 89.4 66.6 123.6  
130 90.9 66.5 123.5

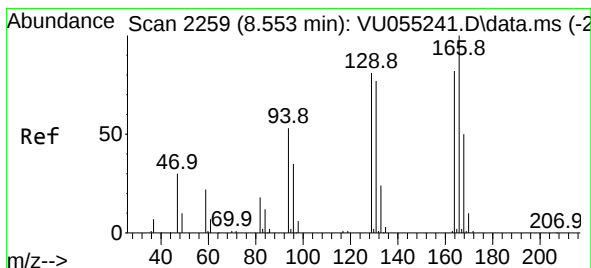
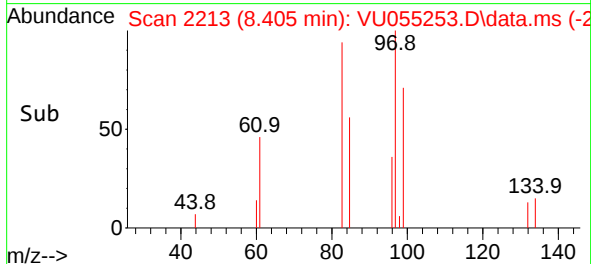
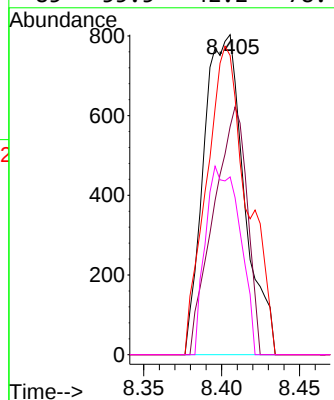
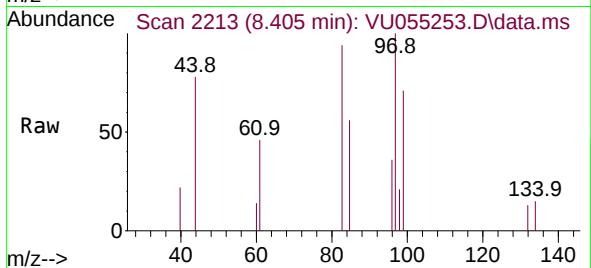




#45  
1,1,2-Trichloroethane  
Concen: 0.181 ug/L  
RT: 8.405 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4J5

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 1446  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 71.2     | 44.9 83.5   |
| 83 93.5     | 66.9 124.3  |
| 85 55.5     | 42.2 78.4   |



#47  
Tetrachloroethene  
Concen: 3.510 ug/L  
RT: 8.553 min Scan# 2259  
Delta R.T. -0.000 min  
Lab File: VU055253.D  
Acq: 12 Sep 2023 17:16

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 29299 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 101.2   | 69.2  | 128.6 |
| 131 | 99.6    | 68.8  | 127.8 |
| 166 | 133.4   | 92.3  | 171.5 |

